



Vallejo Mine

1. Location/Land Status: The Vallejo Mine is located on U.S. Forest Service land within Sections 34, T12N, R9W of the USGS Dos Lomas quadrangle (35.305562N, 107.780334W) some 11.5 miles north-northeast of Grants, NM. The mine can be accessed by traveling north 12 miles on NM 650, then 2 miles east on a jeep trail, then approximately 0.3 miles by foot to the mine site. Legal access to the mine was graciously provided by Mr. Robert Schmitt of 57 NM 509, Grants, NM, 87020; phone: (505) 287-2260.

2. Human Activity: No evidence of human activity was noted.

3. Radiological Survey: Radiological survey results were as follows: ground surface maximum of 240 $\mu\text{R}/\text{hour}$ and minimum of 12 $\mu\text{R}/\text{hour}$. Four-foot elevation maximum was 180 $\mu\text{R}/\text{hour}$ and minimum was 12 $\mu\text{R}/\text{hour}$. Background radiation level is approximately 12 $\mu\text{R}/\text{hour}$.

4. Mine Disturbance: There is no obvious sign of mine workings on this site. The only signs of any activity at this location are a small level area of approximately 10,000 square feet and a collapsed wooden foot bridge across the arroyo bounding the southern extent of the level area. According to Chuck Hagerman with the USFS at Grants, the mine was reclaimed sometime in the late 1980's.

5. Plant Community: The surrounding area is a diverse assembly of pinon, juniper, ponderosa and oak canyon forest. Vegetation on site consist of 50% bare ground, 15% woody scrub, 15% forbs, 10% grass, and 10% pinon/juniper.

6. Soils: Site soils are 0-2 inches loam, 2-24 inches silty sands with minor clays, and bedrock at 24-60 inches.

7. Wildlife: There were signs of deer, rabbit, coyote, and other rodents on site.

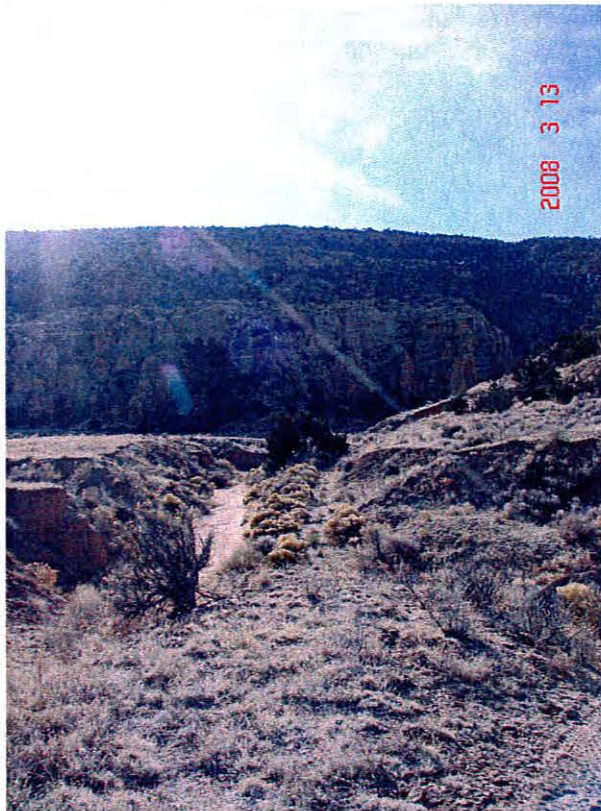
8. Land Use: The land use in this area is light grazing.

9. Off-Site Impacts: The site is adjacent to arroyos on the north and east margins. Radiation levels adjacent to the arroyo are as high as 190 $\mu\text{R}/\text{hour}$ at ground level. Radiation levels in the arroyo on the north edge of the site are 36 $\mu\text{R}/\text{hour}$ at ground level.

10. Topographic Features: The site abuts steep sandstone cliffs to the east, and is adjacent to arroyos on the north and west.

11. Hydrogeology: Based on a review of the NMOSE iWaters database, the nearest wells to the site are approximately 1.9 miles to the northwest, and depth to water in this well is reported to be 30 feet.

The nearest surface water drainage features are adjacent to the site on the north and west.



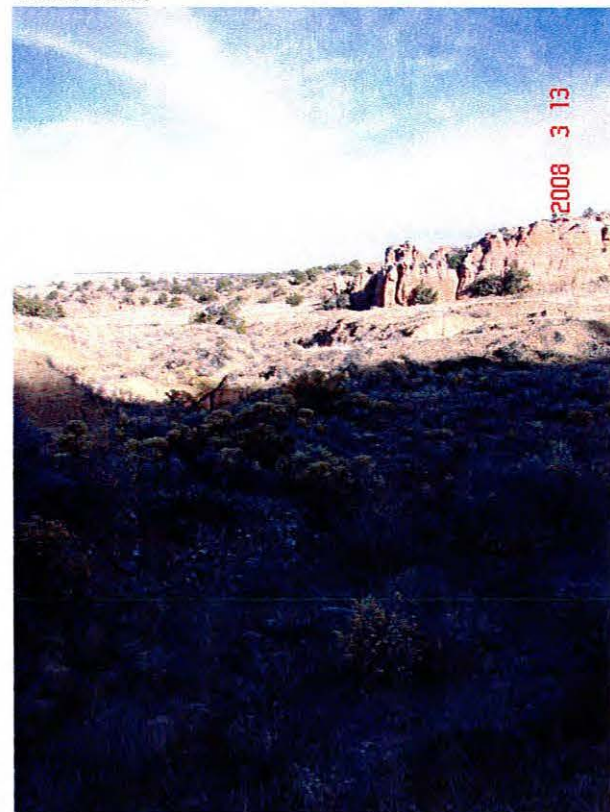
Overview



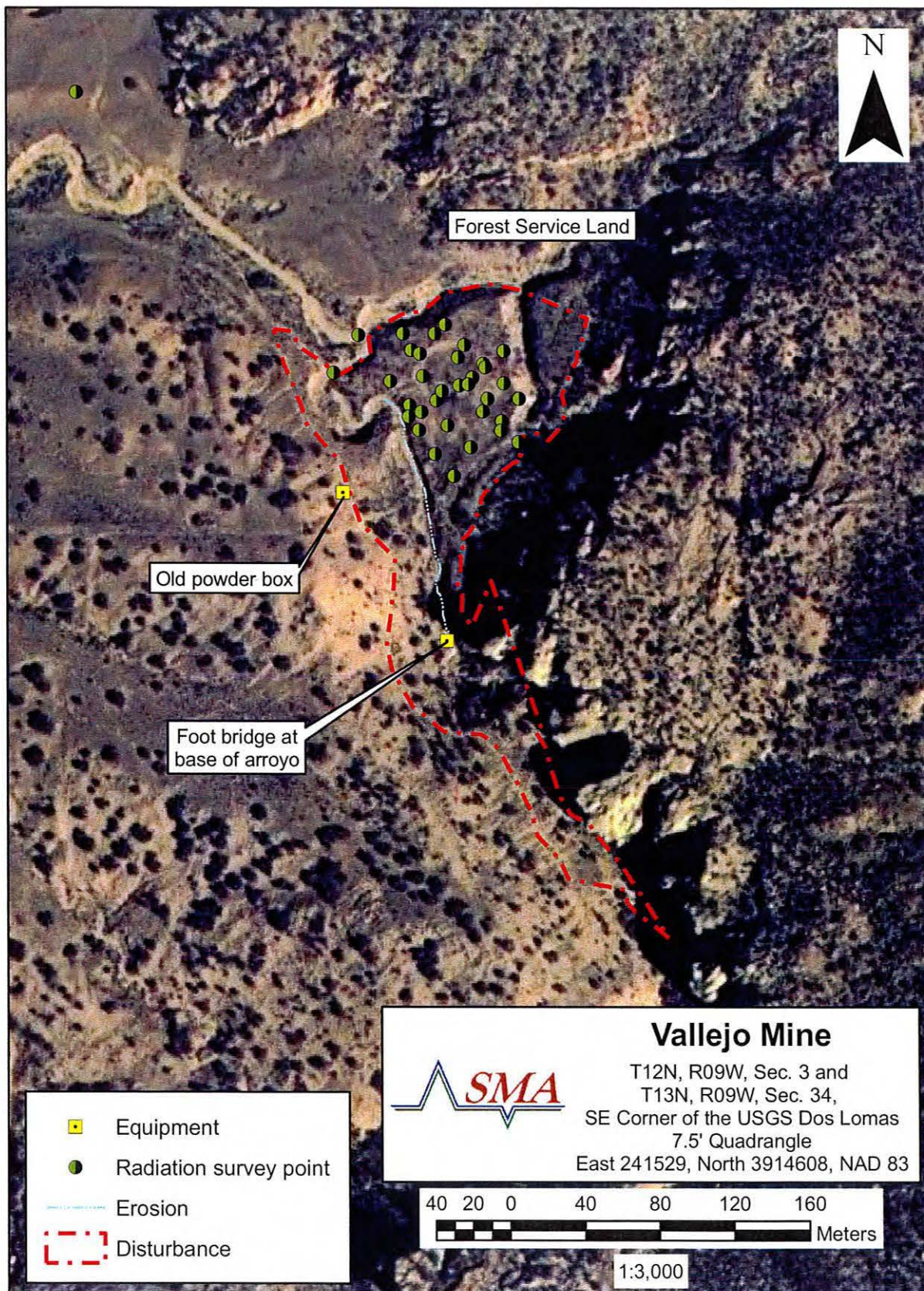
View east



View east



View west



AUM Field Survey Data Sheet

Site

Vallito Mar. 16. 4

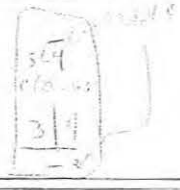
Date <u>01/23/06</u>	Time On-Site <u>1015 hrs</u>	Time Off-Site	By <u>B. MERTZ</u> <u>B. BALDWIN</u>
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Weather Conditions: Scummy, windy, clear, cloudless sky $\approx 40^{\circ}\text{F}$

Disturbances	GPS#	Description	Dim/Area/Volume	Photo #'s
Shafts				#1
Adits				
Pits				
Waste Rock Dumps				
Tailings				
Trenches				
Roads <u>Interiors</u>		<u>Superficial road - measure</u> <u>2-Track from SREGOS to</u> <u>1/4 mile of site - 100' across</u>	<u>2 TRACK</u>	
Erosional Features		<u>100' across</u>		
Structures / Equipment	GPS#	Description	Dimensions	Photo #
Buildings				
Headframes				

AUM Field Survey Data Sheet

Site V

Equipment N/A - 2-4x4		no visible, visible structures		
Soils	GPS#	Description	Extent	Photo #
Sandy-Low		Surrounding sandstone cliffs - redish-brown	Predominant	
Vegetation	GPS#	Description	Extent	Photo #
P-S Forest Elm grass Savanna Savanna H-brown salt marsh		200-300 lbs/acre grass production P-S forest (one seed) low pignus Savanna sparse	Some P-S mortality but seems to be natural. Grass prod high compared to adjacent areas	
Wildlife	GPS#	Description		Photo #
Jack rabbit, Coyote tracks, Cottontail rabbit, deer tracks in Savanna patch, more rodents				
Human Activity (non-mining, w/in 0.5 mi of site)	GPS#	Description	Extent	Photo #
Bob Schmidt land lease N/A preparing to split to SD He said to SPS.				
Land Use (grazing, agricultural, roads, etc., w/in 0.5 mi of site)	GPS#	Description	Extent	Photo #
Grazing - Evidence of cattle tracks/feces				
Nearby Residences / Wells (w/in 0.5 mi of site)	GPS#	Description	Distance to Site	Photo #
Planned well - 1/2 mi N/A				
Topographic Features (roads, water courses, etc.)	GPS#	Description		Photo #

Large group of cliff faces - seems to be natural undisturbed features due to steep terrain
surrounding cliffs. Some patches of grass on a face slopes and in canyon bottom - high levels of
cliffing on steep slopes. Appears to be naturally reclaimed - No further action

Mine I.D.: Moc #4, Vallejo Plant Community Data

Date/Time: 01/23/03

Weather: Sunny, Wind S mph, approx 40°F

Observer: BCU

Current Plant Community:

Photo# P-5 Forest - open (Both)
Vallejo = Canyon lands type 10% tree, 50% bare ground, 30% Forb/shrub, 10% grasses
Moc #4 = light, open P-5 (sparse) - more grasslands. 40% grass, 40% Forb, 10% shrub, 5% tree, 5% bare ground

Other Species Present:

Photo # Pinon, One Seed juniper, Spineless horsebrush, Sand Sage, Winterfat (Sporobolus spp.?)
blue gramma, Snakeweed

T&E Present: Y/N?

If yes, species?

Photo #

NO

Noxious Weeds: Y/N?

If yes, species?

Photo #

NO

Bare Spots? Y/N?

Number of spots/size

Photo #

YES, Normal

Standing Dead? Y/N?

If yes, species?

Photo #

~~NO, None Unusual~~ None Unusual

Photo Point GPS Coord.

Photo #/Direction

Additional Notes:

Use back if necessary

AUM Field Survey Data Sheet

Site Vallejo

<p>11. 10' deep canyon - not visible from SP605 - This is typical "canyon lands" very susp. to erosion because of terrain. Suspected underground slotted GPS pit. #</p>	<p>12. 10' deep canyon - not visible from SP605 - This is typical "canyon lands" very susp. to erosion because of terrain. Suspected underground slotted GPS pit. #</p>
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AUM Field Survey Data Sheet

Site Vallejo

GPS#	Description	Reading Surface	Reading 4 feet
03	Rad. cross-section of pit W to E	30 μ R/hr.	35
04	"	35	30
05	"	15	20
06	"	60	110
07	"	12	15
08	"	30	28
09	" N to S	12	14
10	"	20	20
11	"	20	30
12	"	240	160
13	"	22	20
14	" Edge of canyon	140	160
15 16	foot bridge 50' below fall	15	15
16 17	power box	1	10

AUM Field Survey Data Sheet

Site AUM - Vallejos 2008-3-13

Radiological Survey			
GPS#	Description	Reading Surface	Reading 4 feet
G0	baseline reading	12	9
G1	rad. survey ✓	18	22
G2	"	18	20
G3	"	22	30
G4	"	16	16
G5	" ✓	14	14
G6	" ✓	60	60
G7	"	17	21
G8	"	17	19
G9	"	18	17
G10	" ✓	31	29
G11	" ✓	18	20
G12	"	180	180
G13	"	28	42
G14	"	44	48

0800 We were provided access by Bob Schmit (ph. 505-287-2266).

AUM Field Survey Data Sheet

Site Army - Vallejos 2008-3-13

Radiological Survey			
GPS#	Description	Reading Surface	Reading 4 feet
G15	Rad survey ✓	110	80
G16	" ✓	16	14
G17	"	140	70
G18	"	190	140
G19	"	70	70
G20	" ✓	14	12
Feb-0	30% bare 20% woody shrub	20% forb 20% grass 10% p f j	
LANDU-0	light grazing		
G21	Rad survey (Army) ✓	42	38
G22	"	36	32
G23?	"	14	12